AUTHOR INDEX TO VOLUME 61

Abell, J.S., see J.I. Arnaudas 61 (1986) 370
Abell, J.S., see J.I. Arnaudas 61 (1986) 381
Adam, Gh., see S. Adam 61 (1986) 260
Adam, S., Gh. Adam and E. Burzo, Crystal fields at rare-earth sites in $R_2Fe_{14}B$ compounds 61 (1986) 260
Algarabel, P.A., see J.I. Arnaudas 61 (1986) 381
Allain, Y., see A. Collomb 61 (1986) 4
Andresen, A.F., see H. Fjellvåg 61 (1986) 61
Arajs, S., see C. Moyer 61 (1986) 271
Arnaudas, J.I., A. del Moral and J.S. Abell, Intrinsic coercive field in pseudobinary cubic intermetallic compounds. I: $Dy_xY_{1-x}Al_2$ and $Dy_{1-\delta}Al_2$ 61 (1986) 370
Arnaudas, J.I., A. del Moral, P.A. Algarabel and J.S. Abell, Intrinsic coercive field in cubic intermetallic compounds. II: $Tb_xGd_{1-x}Al_2$ and $ErAl_2$ 61 (1986) 381
Ascasibar, E., see A. Hernando 61 (1986) 39
Atherton, D.L., see D.C. Jiles 61 (1986) 48

Balcerzak, T., see J. Mielnicki 61 (1986) 198
Baldha, G.J., see R.V. Upadhyay 61 (1986) 109
Banhart, J., H. Ebert, J. Voitländer and H. Winter, Diamagnetic susceptibility of pure metals and binary alloys 61 (1986) 221
Bhagat, S.M. and H.A. Sayadian, Magnetic resonance in random spin systems: diluted magnetic semiconductors, universal temperature dependence 61 (1986) 151
Boltich, E.B., see H. Fujii 61 (1986) 251
Booth, J.G., see H. Capellmann 61 (1986) 218
Brown, P.J., see H. Capellmann 61 (1986) 218
Budnick, J.I., see Y.D. Zhang 61 (1986) 162
Burlet, P., see M. Kuznietz 61 (1986) 246
Burzo, E., see A.T. Pedziwiatr 61 (1986) 173
Burzo, E., see A.T. Pedziwiatr 61 (1986) 177
Burzo, E., see S.Y. Jiang 61 (1986) 257
Burzo, E., see S. Adam 61 (1986) 260
Buschow, K.H.J., see R.A. de Groot 61 (1986) 330

Calage, Y., see Y. Laligant 61 (1986) 283
Capellmann, H., P.J. Brown, S.M. Johnson, K.R.A. Ziebeck and J.G. Booth, A comment on "the comparison of polarized and unpolarized neutron inelastic scattering from $CeSn_3$" 61 (1986) 218
Chadwick, J., D.H. Jones, M.F. Thomas, G.J. Tatlock and R.W. Devenish, A Mössbauer study of ferrihydrite and aluminium substituted ferrihydrites 61 (1986) 88
Chapman, R.G. and N.H. March, Pressure dependence of the Curie temperature of gadolinium: dependence of fermiology 61 (1986) 81
Chehab, S.F., see J.C. Woolley 61 (1986) 13
Choi, M., see Y.D. Zhang 61 (1986) 162
Collomb, A., J. Mignot and Y. Allain, Stability of monovalent copper in the W-type hexagonal ferrite: $Ba(Cu^+Fe^{3+})Fe_{16}O_{27}$ 61 (1986) 4
Czaplicki, J., see M. Posłuszny 61 (1986) 267

De Groot, R.A., A.M. van der Kraan and K.H.J. Buschow, FeMnSb: a half-metallic ferrimagnet 61 (1986) 330
Del Moral, A., see J.I. Arnaudas 61 (1986) 370
Del Moral, A., see J.I. Arnaudas 61 (1986) 381
Devenish, R.W., see J. Chadwick 61 (1986) 88
Donofrio, T., see J.C. Woolley 61 (1986) 13
Drumheller, J.E., see G.V. Rubenacker 61 (1986) L1

Ebert, H., see J. Banhart 61 (1986) 221
Emerson, K., see G.V. Rubenacker 61 (1986) L1

Ferey, G., see Y. Laligant 61 (1986) 283
Fernández, A., see M. Tejedor 61 (1986) 278
Fjellvåg, H., A. Kjekshus, A.F. Andresen and A. Zięba, Structural and magnetic properties of $Mn_{1-t}Ni_tAs$ 61 (1986) 61
Freeman, A.J., see B.I. Min 61 (1986) 139
Freeman, A.J., see T. Oguchi 61 (1986) 233
Fuertes, J.F., see M. Tejedor 61 (1986) 169
Fujii, H., W.E. Wallace and E.B. Boltich, Concerning magnetic characteristics of $(R_{2-x}R'_x)Fe_{12}Co_2B$ (R = Pr and Nd, R' = Tb and Dy) 61 (1986) 251
Fujimura, S., see S. Hirosawa 61 (1986) 363
Furrer, A., see B. Leuenberger 61 (1986) 193

García, J., see M. Tejedor 61 (1986) 278
Greneche, J.M., see Y. Laligant 61 (1986) 283
Güdel, H.U., see B. Leuenberger 61 (1986) 193

Habiger, D.-U., see S. Roth 61 (1986) 359
Hasegawa, R., see Y.D. Zhang 61 (1986) 162
Hernando, A., M. Vázquez, V. Mardurga, E. Ascasibar and M. Liniers, Influence of the anisotropy on the "SAMR" method for measuring magnetostriction in amorphous ribbons 61 (1986) 39

Hernando, A., see M. Vázquez 61 (1986) 390
Hernando, B., see M. Tejedor 61 (1986) 278
Hines, W.A., see Y.D. Zhang 61 (1986) 162
Hirosawa, S., K. Tokuhara, Y. Matsuura, H. Yamamoto, S. Fujimura and M. Sagawa, The dependence of coercivity on anisotropy field in sintered R–Fe–B permanent magnets 61 (1986) 363
Hubert, A., see F. Schmidt 61 (1986) 307
Hubert, A., see M. Labrune 61 (1986) 321
Hüller, K., The spin wave excitations and the temperature dependence of the magnetization in iron, cobalt, nickel and their alloys 61 (1986) 347
Hurd, C.M. and S.P. McAlister, Galvanomagnetic properties of Ni_2MnIn, Ni_2MnSn and Ni_2MnSb Heusler alloys 61 (1986) 114

Jansen, H.J.F., see B.I. Min 61 (1986) 139
Jiang, S.Y., W.E. Wallace and E. Burzo, Crystallographic and magnetic properties of $PrCo_{4-x}Fe_xB$ alloys 61 (1986) 257
Jiles, D.C. and D.L. Atherton, Theory of ferromagnetic hysteresis 61 (1986) 48
Johnson, S.M., see H. Capellmann 61 (1986) 218
Jones, D.H., see J. Chadwick 61 (1986) 88
Juszczyk, S., High field susceptibility of $Co_{0.55}Cu_{0.45}Cr_2S_{4-y}Se_y$ 61 (1986) 295

Karjalainen, P., see R. Rautioaho 61 (1986) 183
Katsnelson, M.I., see S.V. Vonsovsky 61 (1986) 83
Kjekshus, A., see H. Fjellvåg 61 (1986) 61
Knowles, J.E., Magnetization reversal by flipping, in acicular particles of γ-Fe_2O_3 61 (1986) 121
Kuentzler, R. and A. Tari, Electronic properties and the appearance of magnetism in the $(Tb_{1-x}Y_x)Co_2$ compounds 61 (1986) 29
Kulkarni, R.G., see R.V. Upadhyay 61 (1986) 109
Kuznietz, M., P. Burlet, J. Rossat-Mignod and O. Vogt, Neutron diffraction study of $UAs_{0.95}Se_{0.05}$ single crystal: disappearance of the type-I antiferromagnetic structure 61 (1986) 246

Labrune, M., I.B. Puchalska and A. Hubert, Domain propagation along the hard axis in a onefold layer 61 (1986) 321
Laligant, Y., Y. Calage, E. Torres-Tapia, J.M. Greneche, F. Varret and G. Ferey, Crystal structure of the inverse weberite $ZnFeF_5(H_2O)_2$, magnetic and Mössbauer study of the antiferromagnet $ZnFeF_5(H_2O)_2$ and ferrimagnet $MnFeF_5(H_2O)_2$ 61 (1986) 283
Lamarche, G., see J.C. Woolley 61 (1986) 13
Lanotte, L., C. Luponio, F. Porreca and P. Matteazzi, Effects of surface characteristics on the change of metallic glass structure and magnetoelastic properties induced by laser heat treatment 61 (1986) 225
Leuenberger, B., H.U. Güdel and A. Furrer, Dimer excitations in a critical singlet ground-state magnet. An inelastic neutron scattering study of $Cs_3Cr_2I_9$ 61 (1986) 193
Liniers, M., see A. Hernando 61 (1986) 39
Luponio, C., see L. Lanotte 61 (1986) 225

Manhas, S., see J.C. Woolley 61 (1986) 13
Manoogian, A., see J.C. Woolley 61 (1986) 13
March, N.H., see R.G. Chapman 61 (1986) 81
Mardurga, V., see A. Hernando 61 (1986) 39
Martens, J.W.D. and W.L. Peeters, Anisotropy in cobalt–ferrite thin films 61 (1986) 21
Matsuura, Y., see S. Hirosawa 61 (1986) 363
Matteazzi, P., see L. Lanotte 61 (1986) 225
McAlister, S.P., see C.M. Hurd 61 (1986) 114
Mielnicki, J., T. Balcerzak, V.H. Truong, G. Wiatrowski and L. Wojtczak, Magnetization curve calculations of diluted alloys in the approximated Heisenberg model 61 (1986) 198
Mignot, J., see A. Collomb 61 (1986) 4
Min, B.I., H.J.F. Jansen, T. Oguchi and A.J. Freeman, Local density total energy description of ground and excited state properties of the rare earth metals 61 (1986) 139
Moilanen, M., see R. Rautioaho 61 (1986) 183
Moyer, C., M. Natenapit and S. Arajs, Filtration of submicron particles by spheres in HGMS 61 (1986) 271
Murani, A.P., Comparison of polarized and unpolarized neutron inelastic scattering from $CeSn_3$ 61 (1986) 212

Natenapit, M., see C. Moyer 61 (1986) 271
Nielsen, O.V., see M. Vázquez 61 (1986) 390

Oguchi, T., see B.I. Min 61 (1986) 139
Oguchi, T. and A.J. Freeman, Hybridization, electronic structure and properties of uranium intermetallics: URu_3, URh_3, UPd_3, UIr_3 and UPt_3 61 (1986) 233
Ohta, E., see T. Sato 61 (1986) 205
Orlov, V.G., Crystal potential model for the description of crystalline electric field effects in rare earth metals and intermetallics 61 (1986) 337

Pedziwiatr, A.T., W.E. Wallace and E. Burzo, Magnetic properties of $Nd_2Fe_{14-x}Ru_xB$ alloys 61 (1986) 173
Pedziwiatr, A.T., W.E. Wallace and E. Burzo, Magnetic properties of $R_{2-x}Th_xFe_{14}B$ alloys (R = Y, Dy or Er) 61 (1986) 177
Peeters, W.L., see J.W.D. Martens 61 (1986) 21
Ponomarev, B.K., Magnetic properties of gadolinium in the region of paraprocess 61 (1986) 129

Porreca, F., see L. Lanotte 61 (1986) 225
Posłuszny, M. and J. Czaplicki, On the influence of adsorbed gas molecules on the ground state of a magnet 61 (1986) 267
Puchalska, I.B., see M. Labrune 61 (1986) 321

Rautioaho, R., P. Karjalainen and M. Moilanen, Coercivity and power spectrum of Barkhausen noise in structural steels 61 (1986) 183
Rossat-Mignod, J., see M. Kuznietz 61 (1986) 246
Roth, S. and D.-U. Habiger, Anisotropy of losses in amorphous ribbons 61 (1986) 359
Rubenacker, G.V., J.E. Drumheller and K. Emerson, Magnetic susceptibility of $[(CH_3)_3NH]_2Cu_4Cl_{10}$, a weak ferromagnetic chain of $S = 2$ linear tetramers (*Letter to the Editor*) 61 (1986) L1

Sagawa, M., see S. Hirosawa 61 (1986) 363
Sakata, M., see T. Sato 61 (1986) 205
Sanchez, F.H., see Y.D. Zhang 61 (1986) 162
Sato, T., E. Ohta and M. Sakata, Nearly ferromagnetic properties of $CrGe_{1-x}Si_x$ $(0 \leqslant x \leqslant 0.15)$ 61 (1986) 205
Sayadian, H.A., see S.M. Bhagat 61 (1986) 151
Schied, E., Calculation of nonlinear magnetization components in ferrites 61 (1986) 291
Schmidt, F. and A. Hubert, Domain observations on CoCr-layers with a digitally enhanced Kerr-microscope 61 (1986) 307
Shin, S.-C., Thermal analysis of magneto-optical thin films under laser irradiation 61 (1986) 301

Tari, A., see R. Kuentzler 61 (1986) 29
Tatlock, G.J., see J. Chadwick 61 (1986) 88
Tejedor, M. and J.F. Fuertes, Domain structure in an iron whisker grown out of the [001] axis 61 (1986) 169
Tejedor, M., J. García, B. Hernando and A. Fernández, Inverse Wiedemann effect on magnetic ribbons for very low torsions 61 (1986) 278
Thomas, M.F., see J. Chadwick 61 (1986) 88
Tokuhara, K., see S. Hirosawa 61 (1986) 363
Tomáš, I. and G. Vértesy, Stability and temperature hysteresis of magnetic stripe domain structures 61 (1986) 101
Torres-Tapia, E., see Y. Laligant 61 (1986) 283
Trefilov, A.V., see S.V. Vonsovsky 61 (1986) 83
Truong, V.H., see J. Mielnicki 61 (1986) 198

Upadhyay, R.V., G.J. Baldha and R.G. Kulkarni, Mössbauer study of the Ca_x-$Co_{1-x}Fe_2O_4$ system 61 (1986) 109

Van der Kraan, A.M., see R.A. de Groot 61 (1986) 330
Van Mens, R., Ternary phase studies of Nd–Fe–X where X = C, Si, Ge, Pb, Sn 61 (1986) 24
Varret, F., see Y. Laligant 61 (1986) 283
Vázquez, M., see A. Hernando 61 (1986) 39
Vázquez, M., A. Hernando and O.V. Nielsen, Magnetostriction and other magnetic properties of Co–Ni based amorphous alloys 61 (1986) 390
Vértesy, G., see I. Tomáš 61 (1986) 101
Vogt, O., see M. Kuznietz 61 (1986) 246
Voitländer, J., see J. Banhart 61 (1986) 221
Vonsovsky, S.V., M.I. Katsnelson and A.V. Trefilov, Anomalies in properties of d- and f-metals and alloys due to charge density fluctuations 61 (1986) 83

Wallace, W.E., see A.T. Pedziwiatr 61 (1986) 173
Wallace, W.E., see A.T. Pedziwiatr 61 (1986) 177
Wallace, W.E., see H. Fujii 61 (1986) 251
Wallace, W.E., see S.Y. Jiang 61 (1986) 257
Wiatrowski, G., see J. Mielnicki 61 (1986) 198
Winter, H., see J. Banhart 61 (1986) 221
Wojtczak, L., see J. Mielnicki 61 (1986) 198
Woolley, J.C., S.F. Chehab, T. Donofrio, S. Manhas, G. Lamarche and A. Manoogian, Magnetic susceptibility data and exchange interaction parameters for some pseudo-ternary semimagnetic semiconductor alloys 61 (1986) 13

Yamamoto, H., see S. Hirosawa 61 (1986) 363

Zhang, Y.D., W.A. Hines, J.I. Budnick, M. Choi, F.H. Sanchez and R. Hasegawa, NMR study of the boron site occupations in rapidly quenched Fe–B crystalline alloys 61 (1986) 162
Zięba, A., see H. Fjellvåg 61 (1986) 61
Ziebeck, K.R.A., see H. Capellmann 61 (1986) 218

SUBJECT INDEX TO VOLUME 61

Actinides 61 (1986) 233, 246
Amorphous systems
– alloys 61 (1986) 390
– Metglas 61 (1986) 225
– ribbons 61 (1986) 359
Anisotropy
– losses 61 (1986) 359
– Metglas 61 (1986) 39
– thin films 61 (1986) 21
Anisotropy fields 61 (1986) 177, 251, 363
Antiferromagnetism 61 (1986) 246

Barkhausen noise 61 (1986) 183

Charge density fluctuations 61 (1986) 83
Coercivity 61 (1986) 183, 321, 363, 370, 381
Core loss 61 (1986) 359
Critical phenomena
– onset of magnetism 61 (1986) 29
Crystal field
– RE compounds 61 (1986) 260
Crystalline electric field effect 61 (1986) 337
Crystallization effect 61 (1986) 225
Curie temperature
– composition-dependent 61 (1986) 173, 177, 198, 251, 257, 390
– pressure-dependent 61 (1986) 81

Density of states 61 (1986) 233
Diluted alloys 61 (1986) 198
Domain
– structure 61 (1986) 169, 307
– structure stability 61 (1986) 101
– wall motion 61 (1986) 48, 321
– walls 61 (1986) 370, 381

Electrical resistivity 61 (1986) 114, 205
Electron-spin resonance 61 (1986) 151
Electronic structure 61 (1986) 233
Excited state properties 61 (1986) 139

Ferrimagnetism 61 (1986) 330
Ferrites 61 (1986) 4, 21, 109, 291
Ferromagnetic
– metals 61 (1986) 205
Ferromagnets 61 (1986) 48
– weak 61 (1986) 267

Ground-state magnet 61 (1986) 193
Ground-state properties 61 (1986) 139, 267

Hall effect 61 (1986) 114
Heisenberg model 61 (1986) 198
Heusler alloys 61 (1986) 114
High gradient magnetic separation 61 (1986) 271
Hysteresis
– ferromagnetic 61 (1986) 48
– thermal 61 (1986) 101

Interaction parameters
– exchange 61 (1986) 13
Itinerant electrons
– ferromagnetism 61 (1986) 347

Kerr microscope 61 (1986) 307

Laser annealing 61 (1986) 225
Lattice constants 61 (1986) 257
Laves phase compounds 61 (1986) 29, 370, 381
Linear tetramer 61 (1986) L1
Local density approximation 61 (1986) 139

Magnetic phase diagram 61 (1986) 61
Magnetic recording media 61 (1986) 121, 307
Magnetic semiconductors
– diluted 61 (1986) 151
Magnetic separation 61 (1986) 271
Magnetization
– curves 61 (1986) 198
– distribution 61 (1986) 169
– field-dependent 61 (1986) 114, 129, 173, 283
– high-field 61 (1986) 295
– nonlinear 61 (1986) 291
– reversal 61 (1986) 121
– saturation 61 (1986) 173, 177, 251
– spontaneous 61 (1986) 173
– temperature-dependent 61 (1986) 330, 347
Magnetocaloric effect 61 (1986) 129
Magnetoelasticity 61 (1986) 225, 278
Magneto-optical storage 61 (1986) 301
Magnetoresistance
– Heusler alloys 61 (1986) 114
Magnetostriction 61 (1986) 39, 390
Metallic glasses 61 (1986) 225, 278, 347
Microwave device materials 61 (1986) 4

Mössbauer spectroscopy
– ferrihydrites 61 (1986) 88, 283
– ferrites 61 (1986) 109
– transition-metal compounds 61 (1986) 330

Neutron diffraction 61 (1986) 246
Neutron scattering
– inelastic 61 (1986) 193, 212, 218
Nonlinear magnetization 61 (1986) 291
Nuclear magnetic resonance
– spin-echo 61 (1986) 162

Particles
– fine paramagnetic 61 (1986) 271
– size 61 (1986) 4, 88
Permanent magnets 61 (1986) 4, 24, 177, 251, 260, 363
Phase transitions
– incommensurate–commensurate 61 (1986) 246
– structural 61 (1986) 61
Power spectrum 61 (1986) 183

Random spin systems 61 (1986) 151
Rare earth
– compounds 61 (1986) 212, 218
– intermetallic 61 (1986) 29, 337
– metals 61 (1986) 81, 129, 139, 337
Rare earth–transition metal alloys 61 (1986) 24, 173, 177, 251, 257, 301
Rare earth–transition metal compounds 61 (1986) 260

Semiconductors
– semimagnetic 61 (1986) 13
Short-range order 61 (1986) 129
Small angle magnetization rotation 61 (1986) 39
Small particles 61 (1986) 121, 271
Soft magnetic materials 61 (1986) 359
Specific heat
– low-temperature 61 (1986) 29
Spin reorientation 61 (1986) 177
Spin waves
– ferromagnetic 61 (1986) 347
Spinel 61 (1986) 295
Superstructure 61 (1986) 61
Surface crystallization 61 (1986) 225
Surface effect 61 (1986) 267
Susceptibility
– ac 61 (1986) 61
– bulk 61 (1986) 212
– diamagnetic 61 (1986) 221
– high-field 61 (1986) 295
– magnetic 61 (1986) L1, 13, 205
– paramagnetic 61 (1986) 83
– temperature-dependent 61 (1986) 83, 205, 283

Ternary alloys 61 (1986) 13, 24
Thin films 61 (1986) 21, 301
Torque magnetometry 61 (1986) 278
Transition metal
– alloys 61 (1986) 347
– compounds 61 (1986) 233, 330
Transition metal–metalloid alloys 61 (1986) 162

Weak ferromagnetism 61 (1986) L1
Wiedemann effect
– inverse 61 (1986) 278